****** MATERIAL SAFETY DATA SHEET ******

THIOFLAVIN T

****** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ******

MSDS Name: THIOFLAVIN T
Catalog Numbers: 10817
Synonyms: Basic Yellow 1
Company Identification (Europe): NBS Biologicals Ltd
14 Tower Square
Huntingdon, Cambs PE29 7DT
England
: Tel +44 1480 433875
: Fax + 44 1480 459868

****** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ******

CAS #	Chemical Name	%	EINECS #	Haz Symbols	Risk Phrases
2390-54-7	Thioflavine T		219-228-9		

Hazard Symbols: None Listed.
Risk Phrases: None Listed.

****** SECTION 3 - HAZARDS IDENTIFICATION ******

EMERGENCY OVERVIEW

Not available.

Potential Health Effects
The toxicological properties of this material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

****** SECTION 4 - FIRST AID MEASURES ******

Eyes:
Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin:
Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.
Ingestion:
If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.
Inhalation:
Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Notes to Physician:

****** SECTION 5 - FIRE FIGHTING MEASURES ******

General Information:
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:
Use agent most appropriate to extinguish fire.

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:
Clean up spills immediately, observing precautions in the Protective Equipment section.

**** SECTION 7 - HANDLING and STORAGE ****

Handling:
Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage:
Store in a cool, dry place. Keep container closed when not in use.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls:
Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Personal Protective Equipment

Eyes:
Wear chemical goggles.

Skin:
Wear appropriate protective gloves to prevent skin exposure.

Clothing:
Wear appropriate protective clothing to minimize contact with skin.

Respirators:
A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Physical State:	Powder
Color:	ochre - yellow
Odor:	Not available.
pH:	Not available.
Vapor Pressure:	Not available.
Viscosity:	Not available.
Boiling Point:	Not available.
Freezing/Melting Point:	0 deg C
Autoignition Temperature:	Not available.
Flash Point:	Not available.
Explosion Limits, lower:	Not available.
Explosion Limits, upper:	Not available.
Decomposition Temperature:	
Solubility in water:	
Specific Gravity/Density:	

Molecular Formula: C17H19ClN2S
Molecular Weight: 318.85

****** SECTION 10 - STABILITY AND REACTIVITY ******

Chemical Stability:
Stable under normal temperatures and pressures.
Conditions to Avoid:
Strong oxidants.
Incompatibilities with Other Materials:
Not available.
Hazardous Decomposition Products:
Irritating and toxic fumes and gases.
Hazardous Polymerization: Not available.

****** SECTION 11 - TOXICOLOGICAL INFORMATION ******

RTECS#:
CAS# 2390-54-7 unlisted.
LD50/LC50:
Not available.
Carcinogenicity:
THIOFLAVIN T -
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
See actual entry in RTECS for complete information.

****** SECTION 12 - ECOLOGICAL INFORMATION ******

****** SECTION 13 - DISPOSAL CONSIDERATIONS ******

Dispose of in a manner consistent with federal, state, and local regulations.

****** SECTION 14 - TRANSPORT INFORMATION ******

IATA
No information available.
IMO
No information available.
RID/ADR
No information available.

****** SECTION 15 - REGULATORY INFORMATION ******

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: Not available.
Risk Phrases:
Safety Phrases:
S 24/25 Avoid contact with skin and eyes.
WGK (Water Danger/Protection)
CAS# 2390-54-7: No information available.
United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada
CAS# 2390-54-7 is listed on Canada's NDSL List.
CAS# 2390-54-7 is not listed on Canada's Ingredient Disclosure List.
Exposure Limits
US FEDERAL
TSCA
CAS# 2390-54-7 is listed on the TSCA inventory.

****** SECTION 16 - ADDITIONAL INFORMATION ******

MSDS Creation Date: 16/7/1996 Revision #0 Date: Original.

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